

1700 Series UPS

Battery Module Connection Guide

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS. This sheet contains important instructions for the 1700 Series Toshiba Battery Module. These instructions should be followed during the installation of the battery module.

- The maximum ambient temperature in which this unit should be operated or stored is 104 °F (40 °C).
- This module should not be opened under any circumstances. To replace the batteries, a new module should be obtained from your local Toshiba representative, or contact the Toshiba UPS marketing department toll-free at (800) 231-1412.
- When changing battery packs, be sure to use the proper model unit.



CAUTION

Misuse of this equipment could result in human injury and equipment damage. In no event will Toshiba Corporation be responsible or liable for either indirect or consequential damage or injury that may result from the use of this equipment.



DANGER



Do not dispose of the battery module in a fire. The batteries inside may explode.



CAUTION

Do not open or mutilate the battery module. Released electrolyte is harmful to the eyes and skin, and could be toxic.



CAUTION

This unit contains sealed lead acid batteries. Lack of preventative maintenance could result in batteries exploding and emitting gasses and/or flame.



CAUTION

Failure to replace the battery pack in accordance to the maintenance schedule may cause the batteries inside to crack, possibly releasing electrolytes from the battery, and resulting in secondary faults such as odor, smoke and fire.

INSTRUCTIONS IMPORTANTES CONCERNANT LA SÉCURITÉ

CONSERVER CES INSTRUCTIONS. Cette notice contient des instructions importantes concernant la sécurité.



ATTENTION

Une batterie peut présenter un risque de choc électrique, de brûlure par transfert d'énergie.



ATTENTION

Pour le remplacement, utiliser le même nombre de batteries du modèle suivant.



ATTENTION

L'élimination des batteries est réglementée. Consulter les codes locaux à cet effet.

Inspection/Installation

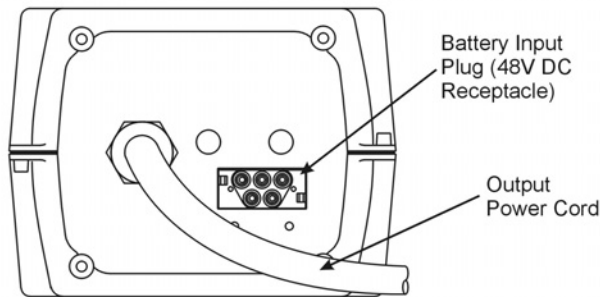
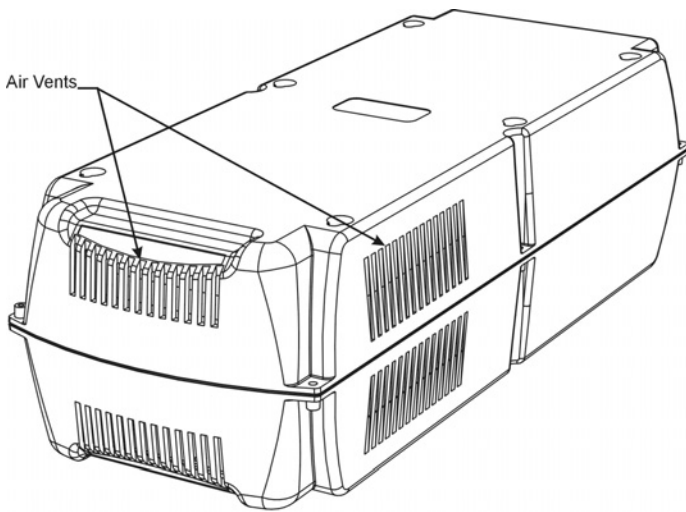
After Unpacking:

- 1) Check the unit for loose, broken, bent or otherwise damaged parts. If damage has occurred during shipment, keep all original packing materials for return to shipping agent. Warranty will not apply to units damaged during shipment.
- 2) Check to see that the rated capacity and the model number specified on the nameplate conform to the order specifications.

Installation Precautions

This battery module is intended for use with a Toshiba 1700 Series UPS. **Any electrical or mechanical modifications to this equipment, without prior written consent of Toshiba International Corporation will void all warranties and may void UL/CUL listing. Unauthorized modifications also can result in personal injury, death, or destruction of the equipment.** When installing this battery pack follow all installation instructions and precautions as listed in the 1700 Series user manual.

External Layout Battery Module



Rear View
Battery Pack
Figure 1
Battery Module Layout

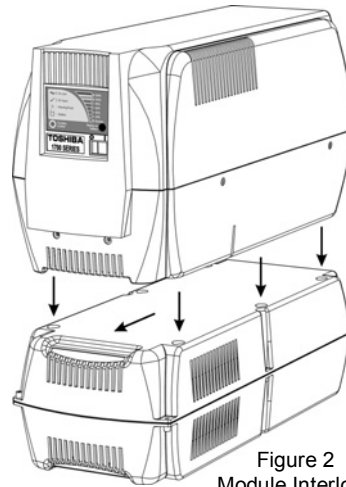


Figure 2
Module Interlock

Step 5: Plug the battery cord coming from the battery pack into the blue battery plug located on the back of the electronics module (figure 3). **Attention:** If the battery cord is not plugged into the battery plug the UPS will not be able to provide backup power in the event of a loss of AC input power.

Step 2: Slide the upper unit forward. This will cause the two units to lock together. In order to unlock the units, lift up on the top module, and slide it back. This will release the interlock (figure 2).

Step 3: Connect the input power cord (figure 3) to the AC power source. If no AC power source is available go to step 5.

Step 4: Switch the UPS input breaker to the on position.

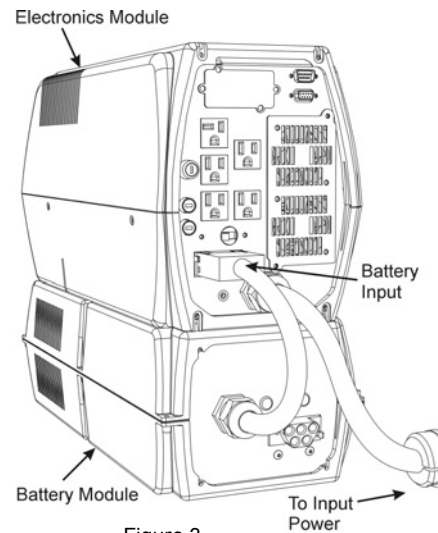


Figure 3
Power Connections



CAUTION Battery modules present a lifting hazard. The battery module for this unit weighs approximately 60 lbs. Two person lift is required to avoid injury.

UPS Connections

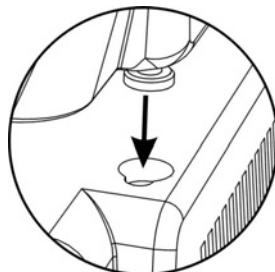
Standard Module Connections

Figures 2 and 3 show the proper assembly of the battery module and the electronics module. If additional battery modules are being installed with the standard unit see figure 4.

Note: No more than three modules should be stacked on top of each other for any configuration.

If two modules are to be stacked on top of each other, they should be interlocked to reduce the chances of the top module being knocked over. Modules do not have to be stacked for the system to operate. The following steps will guide the user through the process of assembling and connecting the modules.

Step 1: Place the electronics module on top of the battery module so that the six round feet on the bottom of the electronics module fit into the matching keyhole slots on the top of the battery module.



Adding an Additional Battery Module

Figure 4 shows the standard unit with an additional battery module added. To install an additional battery module follow these steps:

- 1) Unplug the battery module from the electronics module, unlock and remove the electronics module.
- 2) Lock battery modules on top of each other. Plug the lower battery module into the upper battery module.
- 3) Lock the electronics module on to the top battery module. Plug the top battery module into the electronics module.

It is not necessary to stack the modules for the system to operate. If the modules are not to be stacked simply plug the additional battery module into the existing battery module.

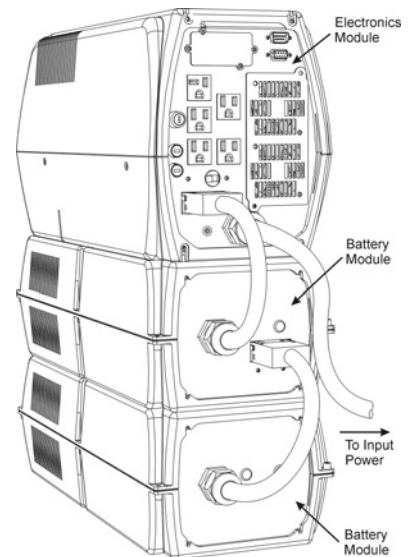


Figure 4
Expansion Battery Module